

Appendix F

Module and Unit Objective Summary

EMT-Critical Care Technician: National Standard Curriculum

Module and Unit Objective Summary

- 1 At the completion of this module, the EMT-Critical Care Technician student will understand the roles and responsibilities of a EMT-Critical Care Technician within an EMS system, apply the basic concepts of anatomy and physiology to the assessment and management of emergency patients, and safely use and administer emergency medications.
 - 1-1 At the completion of this unit, the EMT-Critical Care Technician student will: understand his or her roles and responsibilities within an EMS system, and how these roles and responsibilities differ from other levels of providers; understand the role of medical direction in the out-of-hospital environment; understand and value the importance of personal wellness in EMS and serve as a healthy role model for peers; be able to identify the importance of primary injury prevention activities as an effective way to reduce death, disabilities and health care costs; understand the legal issues that impact decisions made in the out-of-hospital environment; and value the role that ethics plays in decision making in the out-of-hospital environment.
 - 1-2 At the completion of this unit, the EMT-Critical Care Technician student will be able to understand basic anatomy and physiology and how it relates to the foundations of medicine.
 - 1-3 At the completion of this unit, the EMT-Critical Care Technician student will be able to understand the basic principles of pharmacology and be able to develop a drug profile for common emergency medications.
 - 1-4 At the completion of this unit, the EMT-Critical Care Technician student will be able to safely and precisely access the venous circulation and administer medications.
- 2 At the completion of this module, the EMT-Critical Care Technician student will be able to establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.
 - 2-1 At the completion of this unit, the EMT-Critical Care Technician student will be able to establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.
- 3 At the completion of this module, the EMT-Critical Care Technician student will be able to take a proper history and perform an advanced physical assessment on an emergency patient, and communicate the findings to others.
 - 3-1 At the completion of this unit, the EMT-Critical Care Technician student will be able to use the appropriate techniques to obtain a medical history from a patient.
 - 3-2 At the completion of this unit, the EMT-Critical Care Technician student will be able to explain the significance of physical exam findings commonly found in emergency situations.
 - 3-3 At the end of this unit, the EMT-Critical Care Technician student will be able to integrate the principles of history taking and techniques of physical exam to perform a patient assessment on an emergency patient.
 - 3-4 At the end of this unit, the EMT-Critical Care Technician student will be able to apply a process of clinical decision making to use the assessment findings to help form a field impression.
 - 3-5 At the completion of this unit, the EMT-Critical Care Technician student will be able to follow an accepted format for the dissemination of patient information in verbal form, either in person or over the radio.
 - 3-6 At the completion of this unit, the EMT-Critical Care Technician student will be able to effectively document the essential elements of patient assessment, care and transport.
- 4 At the completion of this module, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement the treatment plan for the trauma patient.

- 4-1 At the completion of this unit, the EMT-Critical Care Technician student will be able to apply the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury.
 - 4-2 At the completion of this unit, the EMT-Critical Care Technician student will be utilize the assessment findings to formulate a field impression and implement the treatment plan for the patient with hemorrhage or shock.
 - 4-3 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement the management plan for the patient with a burn injury.
 - 4-4 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for a patient with a thoracic injury.
 - 4-5 At the completion of this unit, the EMT-Critical Care Technician student will be able to demonstrate the practical skills of managing trauma patients.
- 5 At the completion of this module, the EMT-Critical Care Technician student will be able to formulate a field impression and implement the treatment plan for the medical patient.
- 5-1 At the end of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory emergencies.
 - 5-2 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression, implement and evaluate the management plan for the patient experiencing a cardiac emergency.
 - 5-3 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for the patient with a diabetic emergency.
 - 5-4 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for the patient with an allergic or anaphylactic reaction.
 - 5-5 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize assessment findings to formulate a field impression and implement a treatment plan for the patient with a toxic exposure.
 - 5-6 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement the treatment plan for the patient with a neurological emergency.
 - 5-7 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize the assessment findings to formulate a field impression and implement the treatment plan for the patient with non-traumatic abdominal pain.
 - 5-8 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize assessment findings to formulate a field impression and implement the treatment plan for the patient with an environmentally-induced or exacerbated emergency.
 - 5-9 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize assessment findings to formulate a field impression and implement a management plan for patients with behavioral emergencies.
 - 5-10 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize assessment findings to formulate a field impression and implement the management plan for the patient experiencing a gynecological emergency.
- 6 At the completion of this module, the EMT-Critical Care Technician student will be able to utilize assessment findings to formulate a field impression and implement the treatment plan for obstetric, neonatal, pediatric, and geriatric patients.
- 6-1 At the completion of this unit, the EMT-Critical Care Technician student will be able utilize the assessment findings to formulate a field impression and implement the management of a normal or abnormal labor.
 - 6-2 At the completion of this unit, the EMT-Critical Care Technician student will be able to

utilize assessment findings to formulate a field impression and implement the treatment plan for the resuscitation of a neonatal patient.

- 6-3 At the completion of this unit, the EMT-Critical Care Technician student will be able to utilize assessment findings to formulate a field impression and implement the treatment plan for a pediatric patient.
 - 6-4 At the completion of this unit, the EMT-Critical Care Technician student will be able to use assessment findings to formulate a management plan for the geriatric patient.
- 7 At the completion of this module, the EMT-Critical Care Technician student will be able to integrate the principles of assessment based management to perform an appropriate assessment and implement the management plan for patients with common complaints.
- 7-1 At the completion of this unit, the EMT-Critical Care Technician student will be able to integrate the principles of assessment based management to perform an appropriate assessment and implement the management plan for patients with common complaints.